

**ABSTRACT OF THE DISCLOSURE****METHOD FOR MUTUAL COMPUTER PROCESS MONITORING AND RESTART**

The present invention provides a method for detecting a termination of a process within a plurality of processes in a data processing system. A monitoring policy is established, within the plurality of processes, wherein the monitoring policy assigns a first process within the plurality of processes to monitor a second process within the plurality of processes. Responsive to a termination of execution of the second process, a cause of the execution termination is determined by the first process. Responsive to a determination that the second process terminated execution in an abnormal manner, the first process attempts to restart the second process.

Furthermore, the present invention provides a method for inserting a process within a plurality of processes containing a first process and a monitoring policy in a data processing system. A request is received from a second process to join the plurality of processes.

Responsive to the second process joining the plurality of processes, the first process within the plurality of processes is selected to monitor the second process. The monitoring policy is modified, wherein the monitoring policy assigns the selected first process to monitor the second process for termination of execution.

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